# CFS-W410L/W410S

# SERVICE MANUAL

*E Model*
CFS-W410S

*AEP Model*
*UK Model*
*Australian Model*
CFS-W410L

PRELIMINARY

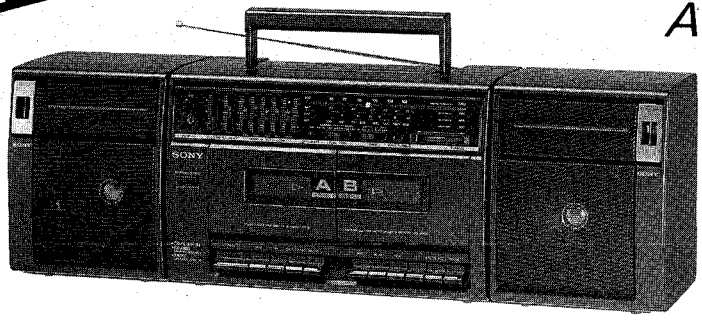


PHOTO : CFS-W410S

| Model Name Using Similar Mechanism | | New |
|---|---|---|
| Tape Transport Mechanism Type | DECK A | MF-W320 (YMW47-403) |
| | DECK B | |

## SPECIFICATIONS

Frequency range

| Sales area | FM | MW | LW | SW | |
|---|---|---|---|---|---|
| European countries | 87.6 — 107 MHz | 531 — 1,602 kHz | 153 — 279 kHz | 5.95 — 18 MHz | |
| Saudi Arabia | 87.6 — 107 MHz | 530 — 1,605 kHz | | SW1 2.3 — 7 MHz | SW2 7 — 22 MHz |
| Other countries | 87.6 — 108 MHz | | | | |

Recording system 4-track 2-channel stereo
Frequency response 80 – 8,000 Hz
Speakers Two way
Approx. 10 cm (4 inches) dia. woofer × 2
Approx. 2 cm ($^{13}/_{16}$ inch) dia. tweeter × 2
Maximum power output
5W (2.5W + 2.5W)
Input CD/LINE IN jacks (stereo phono jacks) (2)
Input impedance 47 kilohms
Sensitivity 0.44 V
Output Headphones jack (stereo minijack) for 8 – 300-ohm impedance headphones

Power requirements

| | |
|---|---|
| United Kingdom model | 240 V AC, 50 Hz |
| Continental European model | 220 V AC, 50 Hz |
| Model for other countries | 110-120 V, 220-240 V AC, adjustable, 50/60 Hz |

9 V DC, six R20 (size D) batteries

Power consumption

| | |
|---|---|
| United Kingdom model | 18W |
| Model for other countries | 14W |

Battery life

| Battery | FM recording |
|---|---|
| Sony SUM-1 (NS) | Approx. 18 hours |
| Sony AM1 (N) alkaline | Approx. 30 hours |

Dimensions Approx. 605 × 195 × 160 mm (w/h/d) ($23^{7}/_{8} \times 7^{3}/_{4} \times 6^{3}/_{8}$ inches)
Weight Approx. 4.5 kg (9 lb 15 oz) incl. batteries
Accessory supplied AC power cord (1)

**Note**
This appliance conforms with EEC Directive 87/308/EEC regarding interference suppression.

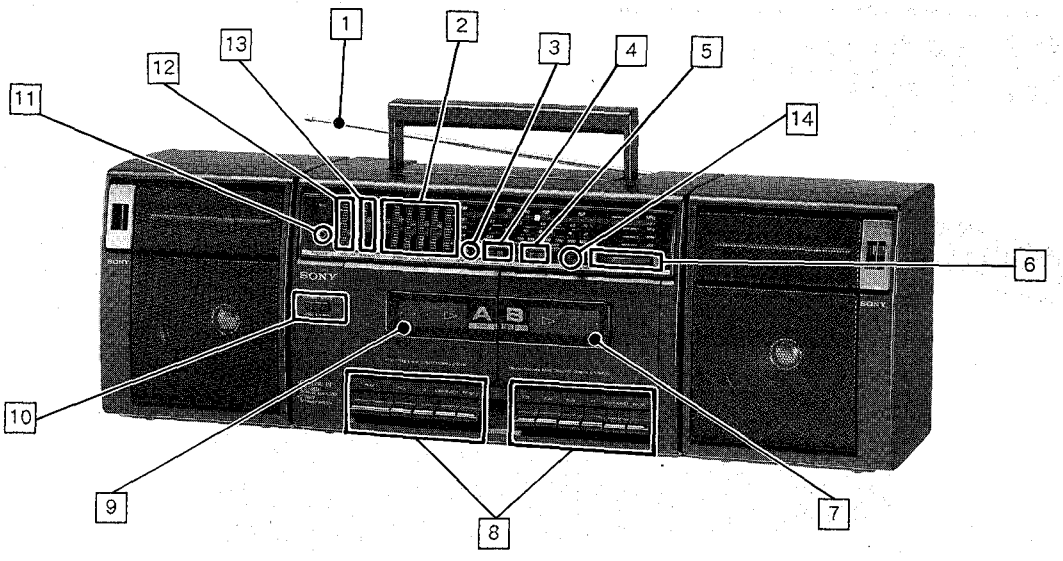
Design and specifications subject to change without notice.

RADIO CASSETTE-CORDER

SONY®

# SECTION 1
# GENERAL

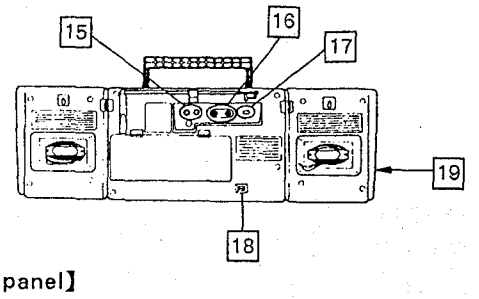
## LOCATION AND FUNCTION OF CONTROLS




【FRONT panel】

1 Telescopic antenna
2 5-BAND GRAPHIC EQUALIZER controls
3 OPR/BATT indicator
4 FUNCTION selector
5 BAND selector
6 TUNING knob
7 Cassette holder B
8 Tape operation buttons
- ● REC (record) button : (deck B only)
- ▷ PLAY (play back) button
- ◁◁ REW (rewind) button
- ▷▷ FF (farst-forward) button
- ▯⏏ STOP/EJECT button
- ▯▯ PAUSE button

9 Cassette holder A
10 DUBBING SPEED button
11 PHONES (headphones) jack (stereo minijack)
12 VOLUME knob
13 BALANCE knob
14 FINE TUNING knob




【REAR panel】

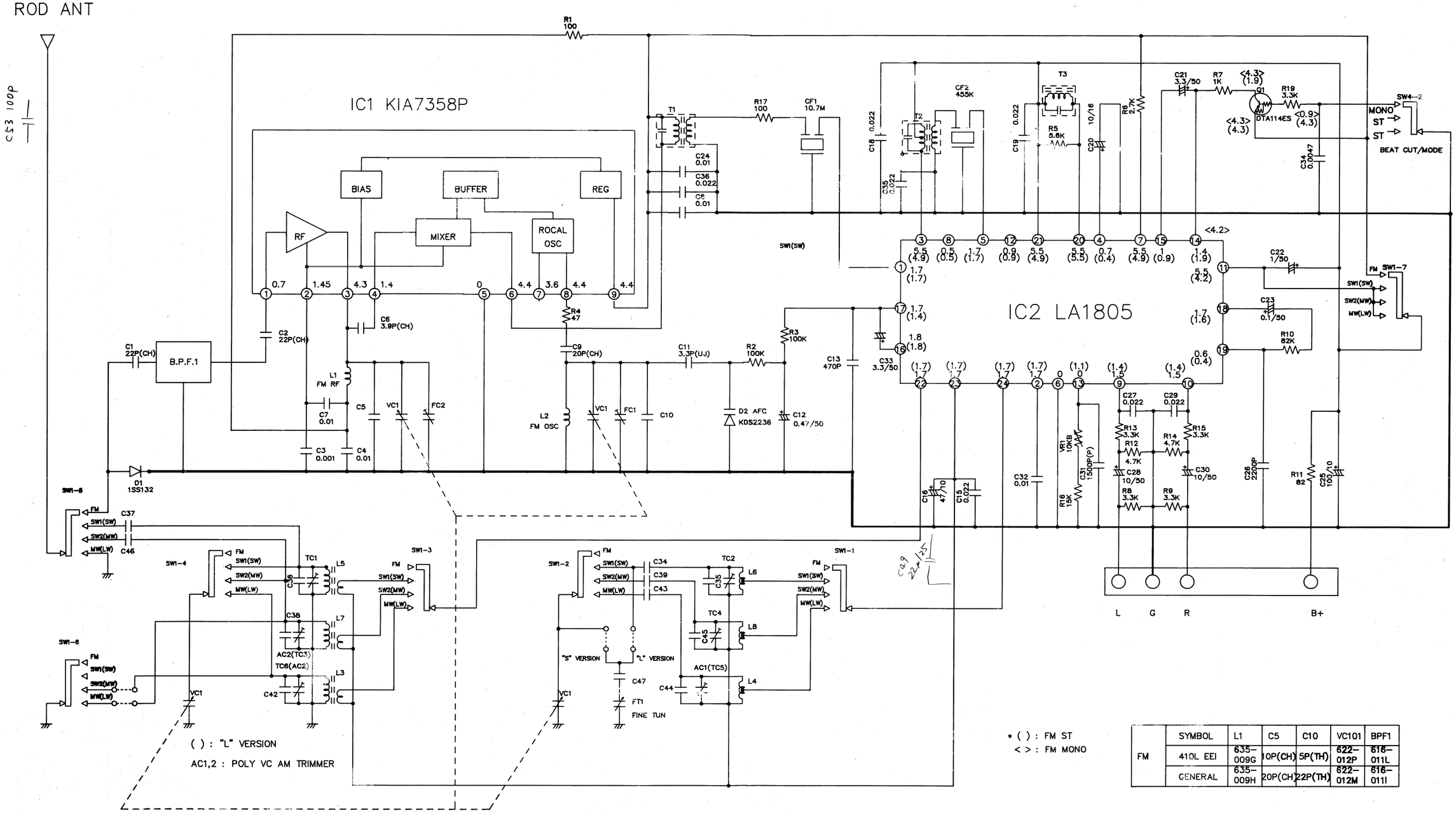
15 CD/LINE IN pin-jack
16 SPEAKER (L, R) jack (monoral minijack)
17 ISS (interference supperess switch) /FM MODE selector
18 AC IN

【SIDE panel】

19 VOLTAGE SELECTOR (CFS-W410S) 110−120V/220−240V

# SECTION 2
# DIAGRAMS

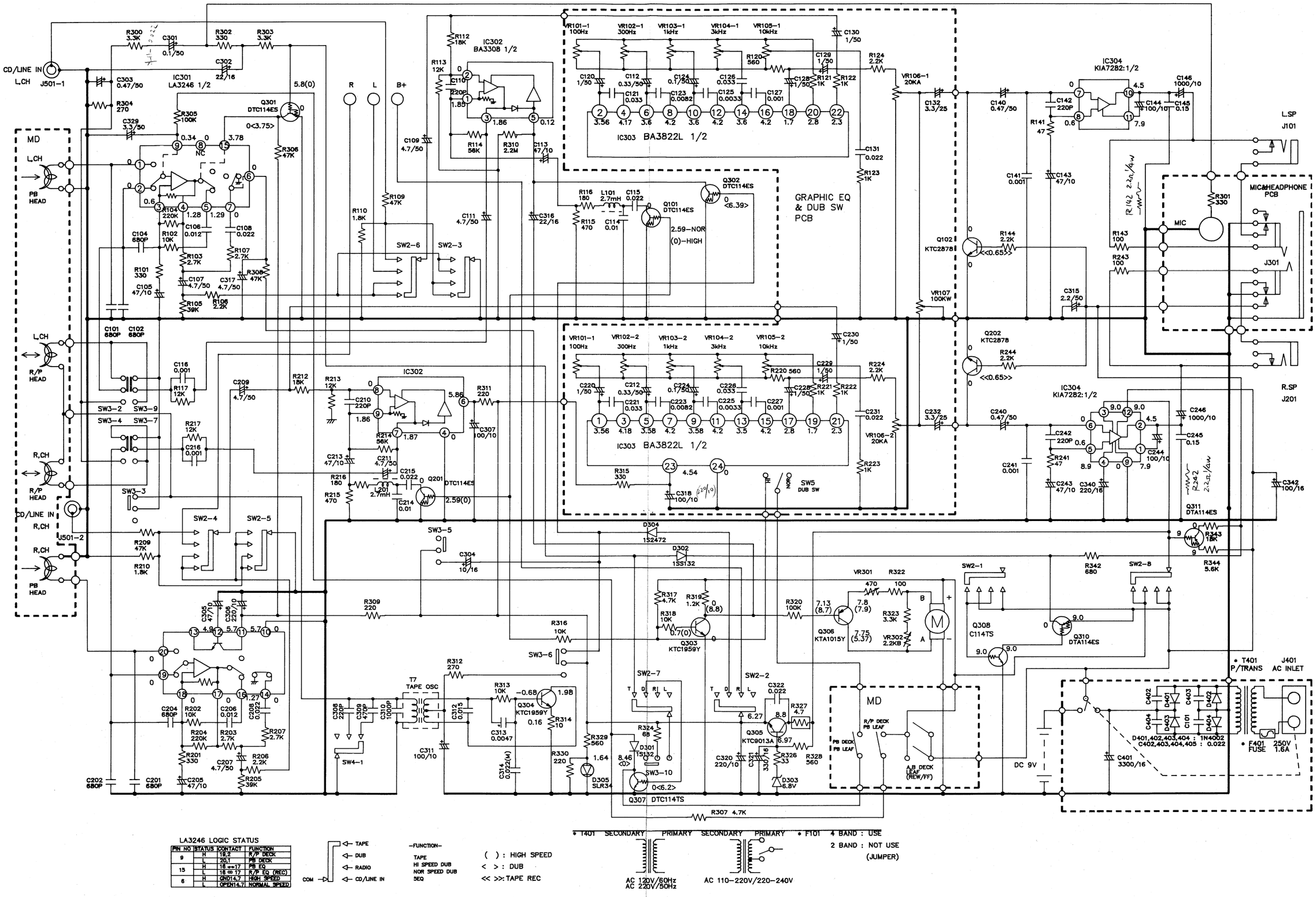
## 2-1. TUNER SCHEMATIC DIAGRAM




| | | TC6 | TC1 | TC2 | TC3 | TC4 | TC5 | L5 | L7 | L3 | L6 | L8 | L4 | C37 | C46 | C38 | C42 | C34 | C39 | C43 | C44 | C47 | C35 | C45 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AM | 410S VERSION | AC2 | 623-001F | 623-001F | 623-001E | 623-001E | AC1 | 634-020P | 634-020Q | 632-211L | 634-0200 | 634-020R | 634-038B | 33P | 24P | — | 8.2P | 1500P | 5600P | 360P | 15P | 10P | 12P | — |
| | 410L VERSION | 623-001G | 623-001E | 623-001E | AC2 | 623-001E | 623-001G | 634-020H | 632-211H | 632-211H | 634-020H | 634-038B | 634-037S | 24P | — | 4.7P | 62P | 4700P | 360P | 300P | 220P | 10P | 8.2P | 12P |

| | SYMBOL | L1 | C5 | C10 | VC101 | BPF1 |
|---|---|---|---|---|---|---|
| FM | 410L EEI | 635-009G | 10P(CH) | 5P(TH) | 622-012P | 616-011L |
| | GENERAL | 635-009H | 20P(CH) | 22P(TH) | 622-012M | 616-011I |

## 2-2. AUDIO SCHEMATIC DIAGRAM




LA3246 LOGIC STATUS

| PIN NO | STATUS | CONTACT | FUNCTION |
|---|---|---|---|
| 9 | H | 19,2 | R/P DECK |
| | L | 20,1 | PB DECK |
| 15 | H | 16 ↔ 17 | PB EQ |
| | L | 16 ∞ 17 | R/P EQ (REC) |
| 6 | H | GND14,7 | HIGH SPEED |
| | L | OPEN14,7 | NORMAL SPEED |

COM → TAPE / DUB / RADIO / CD/LINE IN

-FUNCTION-
TAPE
HI SPEED DUB
NOR SPEED DUB
SEQ

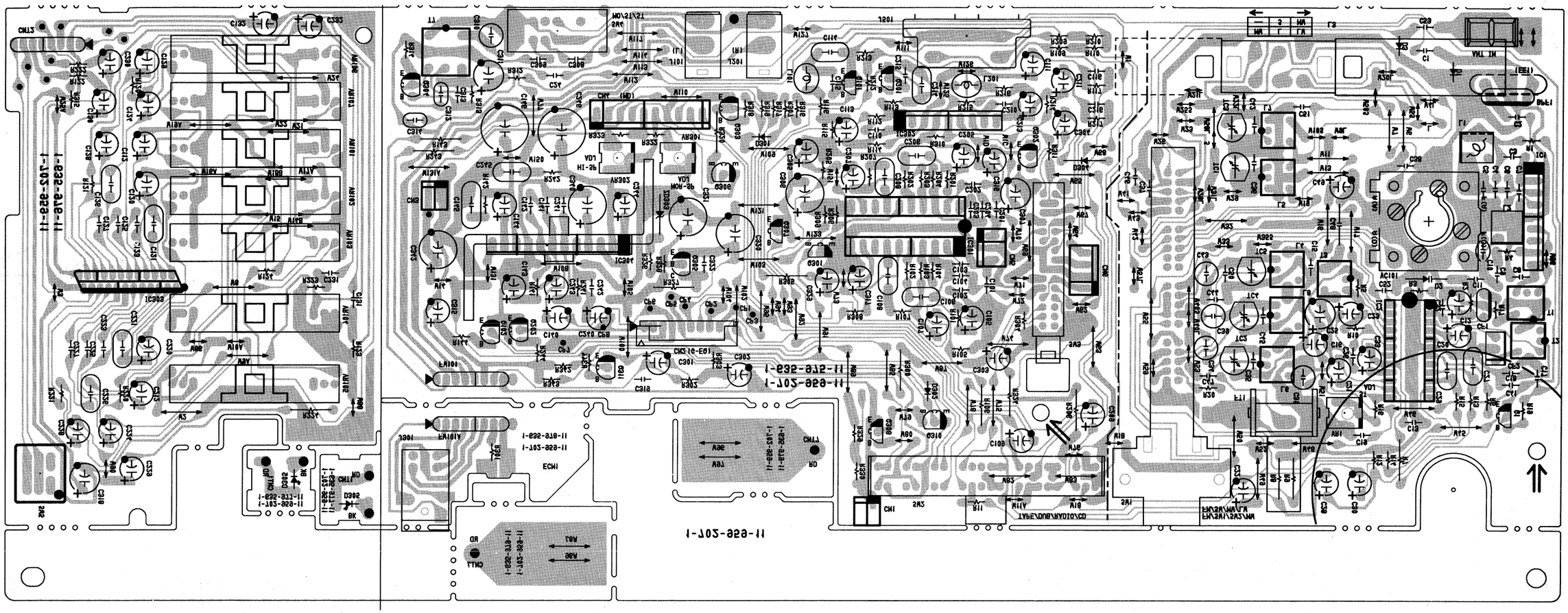
( ) : HIGH SPEED
< > : DUB
<< >> : TAPE REC

* T401 SECONDARY: AC 120V/60Hz, AC 220V/50Hz
PRIMARY / SECONDARY: AC 110-220V/220-240V
PRIMARY * F101: 4 BAND : USE, 2 BAND : NOT USE (JUMPER)

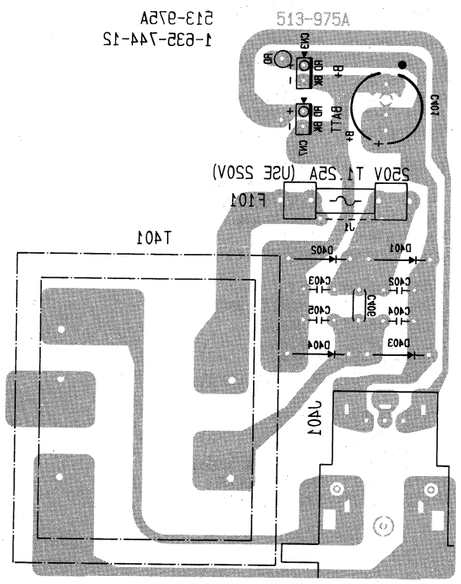
## 2-3. PRINTED WIRING BOARDS

【GEQ BOARD】

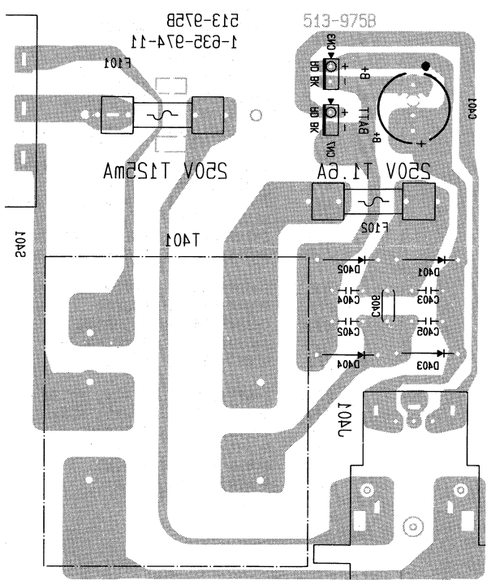
【MAIN BOARD】



【POWER BOARD】 –CFS-W410L




【POWER BOARD】 –CFS-W410S



# SECTION 3
# EXPLODED VIEWS

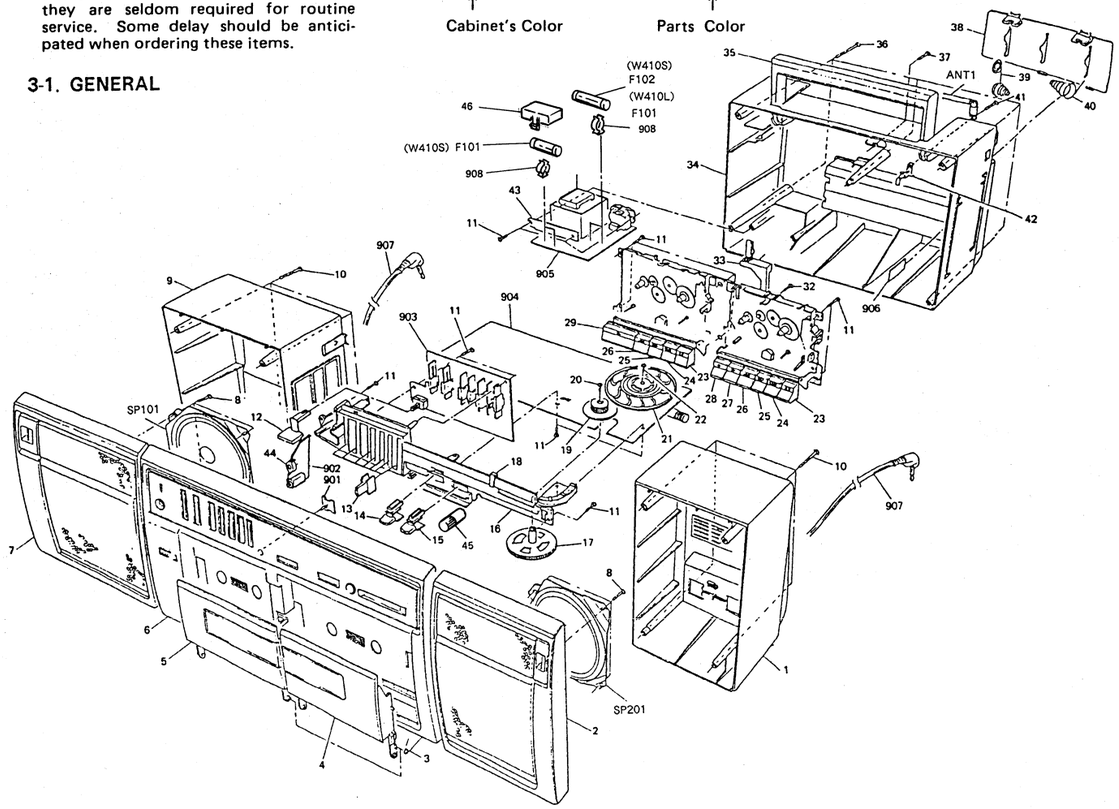
**NOTE:**

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
- Color Indication of Appearance Parts
  Example:
  (RED) . . . KNOB, BALANCE (WHITE)
  ↑ Cabinet's Color ↑ Parts Color

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

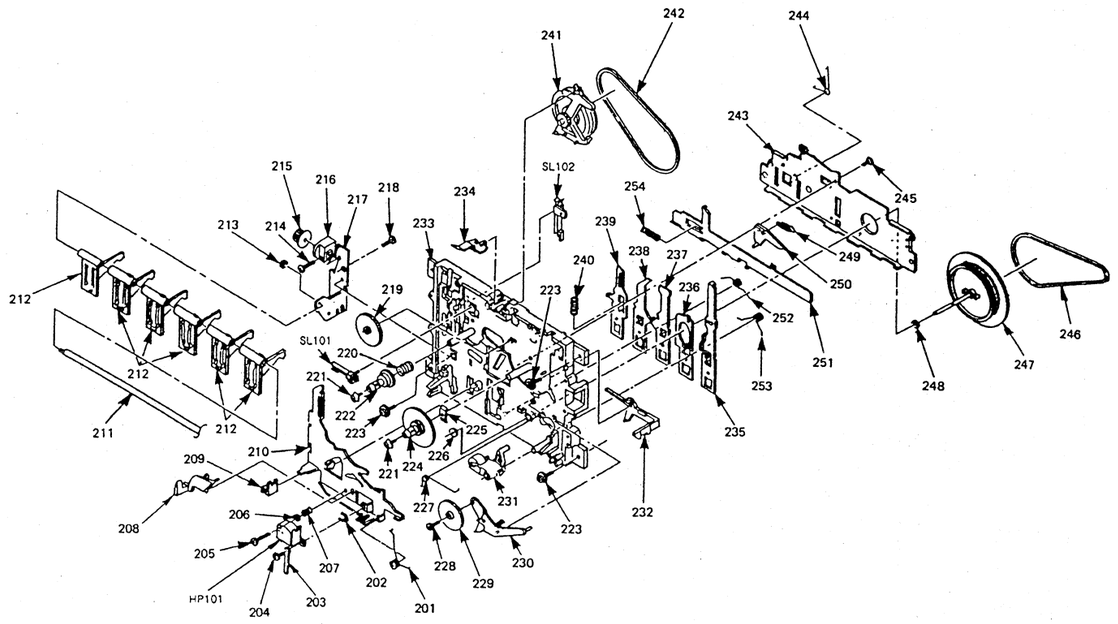
## 3-1. GENERAL




| No. | Part No. | Description | Remarks |
|---|---|---|---|
| 1 | 3-393-888-01 | SPEAKER REAR-R | |
| 2 | X-3391-053-1 | SPEAKER (FRONT)(R) ASSY | |
| 3 | 3-393-892-01 | EJECT SPRING | |
| 4 | X-3362-390-1 | (W410S)...HOLDER (B) ASSY, CASSETTE | |
| | X-3362-393-1 | (W410L)...HOLDER (B) ASSY, CASSETTE | |
| 5 | X-3391-050-1 | HOLDER (A) ASSY, CASSETTE | |
| 6 | X-3362-389-1 | (E TYPE1,2,UAE)...CABINET (FRONT) ASSY | |
| | X-3362-391-1 | (EE).....CABINET (FRONT) ASSY | |
| | X-3362-392-1 | (IT).....CABINET (FRONT) ASSY | |
| | X-3362-394-1 | (AEP,AU,UK).....CABINET (FRONT) ASSY | |
| | X-3362-395-1 | (EA).....CABINET (FRONT) ASSY | |
| 7 | X-3391-052-1 | SPEAKER (FRONT)(L) ASSY | |
| 8 | 7-685-646-79 | SCREW +BVTP 3X8 TYPE2 N-S | |
| 9 | 3-393-890-01 | SPEAKER REAR-L | |
| 10 | 7-685-651-79 | SCREW +BVTP 3X20 TYPE2 | |
| 11 | 7-685-647-79 | SCREW +BVTP 3X10 TYPE2 N-S | |
| 12 | 3-397-823-01 | KNOB DUBBING | |
| 13 | 3-397-816-01 | KNOB VOL/EQ | |
| 14 | 3-397-818-01 | KNOB FUNCTION | |
| 15 | 3-397-817-01 | KNOB BAND | |
| 16 | *3-397-815-01 | CHASSIS, MAIN | |
| 17 | 3-397-819-01 | KNOB TUNING | |
| 18 | 3-397-822-01 | GEAR POINTER | |
| 19 | 3-397-820-01 | GEAR TUNING | |
| 20 | 3-703-135-01 | SCREW, TAPPING +PWH 3X8 | |
| 21 | 3-397-821-01 | GEAR PULLEY | |
| 22 | 7-621-775-40 | SCREW +B 2.6X8 | |
| 23 | 3-397-805-01 | KNOB DECK PAUSE | |
| 24 | 3-397-804-01 | KNOB DECK ST/EJ | |
| 25 | 3-397-802-01 | KNOB DECK FF | |
| 26 | 3-397-803-01 | KNOB DECK REW | |
| 27 | 3-393-899-01 | KNOB DECK PLAY-R (B) | |
| 28 | 3-397-801-01 | KNOB DECK REC | |
| 29 | 3-393-898-01 | KNOB DECK PLAY-L (A) | |
| 32 | 7-621-255-25 | SCREW +PTT 2X4 (S) | |
| 33 | 3-397-806-01 | LEVER REC | |
| 34 | 3-364-946-01 | (W410S)...CABINET (REAR) | |
| | 3-364-953-01 | (W410L)...CABINET (REAR) | |
| 35 | 3-397-809-01 | HANDLE | |
| 36 | 7-685-152-19 | SCREW +P 3X25 TYPE2 NON-SLIT | |
| 37 | 7-685-647-79 | SCREW +BVTP 3X10 TYPE2 N-S | |
| 38 | 3-397-814-01 | LID, BATTERY CASE | |
| 39 | 3-397-812-01 | BATTERY SPRING (+/-) | |
| 40 | 3-397-813-01 | BATTERY SPRING (-) | |
| 41 | 7-682-549-04 | SCREW +B 3X10 | |
| 42 | *3-397-810-01 | ANT LUG | |
| 43 | 3-397-811-01 | HOLDER P/T | |
| 44 | 3-321-122-01 | CUSHION, MICROPHONE | |
| 45 | 3-364-950-01 | KNOB, FINE TUNING | |
| 46 | 3-364-948-01 | COVER, FUSE | |
| 901 | *1-635-977-11 | PC BOARD, LED | |
| 902 | *1-635-978-11 | PC BOARD, JACK | |
| 903 | *1-635-976-11 | PC BOARD, GEQ | |
| 904 | *A-3261-403-A | (W410S).....PC BOARD ASSY, MAIN | |
| | *A-3261-409-A | (W410L:EXCEPT EE)...PC BOARD ASSY, MAIN | |
| | *A-3261-410-A | (W410L:EE).....PC BOARD ASSY, MAIN | |
| 905 | *1-635-744-11 | (W410L)...PC BOARD, POWER | |
| | *1-635-974-11 | (W410S)...PC BOARD, POWER | |
| 906 | *1-635-798-11 | PC BOARD, BATTERY | |
| 907 | 1-575-951-11 | CORD, SPEAKER | |
| 908 | 1-533-243-11 | HOLDER, FUSE | |
| ANT1 | 1-501-482-11 | ANTENNA, TELESCOPIC | |
| SP101 | 1-503-492-11 | SPEAKER | |
| SP201 | 1-503-492-11 | SPEAKER | |

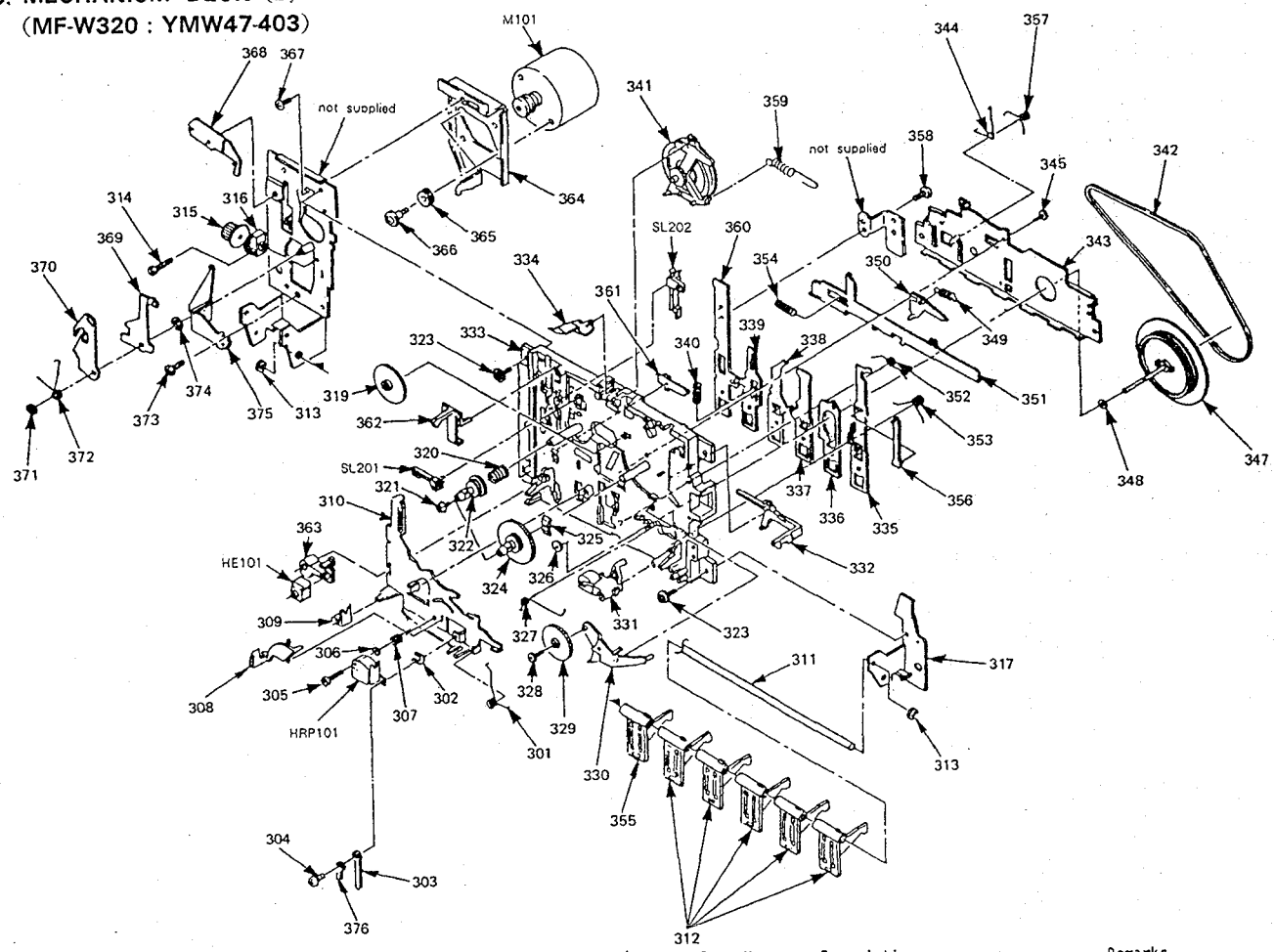


## 3-2. MECHANISM DECK (A)
## (MF-W320 : YMW47-403)




| No. | Part No. | Description | Remarks |
|---|---|---|---|
| 201 | 3-391-078-01 | PINCH SPRING | |
| 202 | 3-390-821-01 | SPACER | |
| 203 | *3-390-819-01 | LUG | |
| 204 | 7-621-255-15 | SCREW +P 2X3 | |
| 205 | 7-621-255-55 | SCREW, TOTSU P 2X8 | |
| 206 | 3-390-823-01 | WASHER, F | |
| 207 | 4-894-955-01 | C SPRING | |
| 208 | 4-894-956-01 | TAPE SENSOR | |
| 209 | 4-895-016-01 | TAPE GUIDE | |
| 210 | *4-895-015-01 | HEAD BASE | |
| 211 | *3-391-080-01 | SHAFT C (A DECK) | |
| 212 | 3-349-134-01 | BASE, BUTTON | |
| 213 | 3-391-079-01 | E RING | |
| 214 | 7-685-856-01 | SCREW +BVTT 2X12 (S) | |
| 215 | 3-390-844-01 | GEAR | |
| 216 | 3-390-843-01 | HOLDER, GEAR | |
| 217 | *3-391-082-01 | HOLDER BUTTON L | |
| 218 | 7-685-133-19 | SCREW +P 2.6X6 TYPE1 | |
| 219 | 4-894-964-01 | F GEAR | |
| 220 | 4-894-954-01 | C SPRING | |
| 221 | 3-390-803-01 | BUSHING (D) | |
| 222 | 4-894-953-01 | S REEL | |
| 223 | 7-621-770-67 | SCREW, TOTSU PTTWH 2.6X6 | |
| 224 | X-3391-004-1 | T REEL ASSY | |
| 225 | 3-390-838-01 | T SPRING | |
| 226 | 4-894-969-01 | N WASHER | |
| 227 | 4-894-967-01 | SPRING | |
| 228 | 4-894-960-01 | BUSH | |
| 229 | 4-894-961-01 | IDLER GEAR | |
| 230 | 4-894-962-01 | IDLER ARM | |
| 231 | X-3391-001-1 | PINCH ARM ASSY | |
| 232 | 4-894-980-01 | EJECT ARM | |
| 233 | 4-894-968-01 | CHASSIS ASSY | |
| 234 | 4-894-966-01 | SPRING | |
| 235 | 4-895-011-01 | PAUSE LEVER W | |
| 236 | *4-894-987-01 | S.E LEVER | |
| 237 | *4-894-988-01 | FF LEVER W | |
| 238 | *4-894-990-01 | REW LEVER | |
| 239 | *3-391-053-01 | PLAY LEVER | |
| 240 | 3-390-827-01 | SPRING | |
| 241 | X-3391-003-1 | POWER ARM ASSY | |
| 242 | 3-390-816-01 | BELT, SQUARE | |
| 243 | *4-894-977-01 | BACK PLATE | |
| 244 | 4-894-978-01 | SPRING | |
| 245 | 3-390-822-01 | BUSHING (C) | |
| 246 | 3-396-796-01 | BELT | |
| 247 | X-3391-002-1 | FLYWHEEL ASSY | |
| 248 | 4-894-976-01 | P WASHER | |
| 249 | 3-390-809-01 | SPRING | |
| 250 | 4-894-982-01 | S ARM | |
| 251 | *4-894-984-01 | FUNCTION LEVER | |
| 252 | 4-894-989-01 | SPRING | |
| 253 | 4-894-999-01 | SPRING | |
| 254 | 4-894-983-01 | C SPRING | |
| HP101 | 1-543-727-11 | HEAD (PLAYBACK) | |
| SL101 | 1-571-555-11 | SWITCH, LEAF | |
| SL102 | 1-570-715-11 | SWITCH, LEAF | |

## 3-3. MECHANISM DECK (B)
(MF-W320 : YMW47-403)




| No. | Part No. | Description | Remarks |
|---|---|---|---|
| 301 | 3-391-078-01 | PINCH SPRING | |
| 302 | 3-390-821-01 | SPACER | |
| 303 | *3-390-819-01 | LUG | |
| 304 | 7-621-255-15 | SCREW +P 2X3 | |
| 305 | 7-621-255-55 | SCREW, TOTSU P 2X8 | |
| 306 | 3-390-823-01 | WASHER, F | |
| 307 | 4-894-955-01 | C SPRING | |
| 308 | 4-894-956-01 | TAPE SENSOR | |
| 309 | 4-895-016-01 | TAPE GUIDE | |
| 310 | *4-895-015-01 | HEAD BASE | |
| 311 | *3-393-881-01 | SHAFT (B DECK) | |
| 312 | 3-349-134-01 | BASE, BUTTON | |
| 313 | 3-391-079-01 | E RING | |
| 314 | 7-685-856-01 | SCREW +BVTT 2X12 (S) | |
| 315 | 3-390-844-01 | GEAR | |
| 316 | 3-390-843-01 | HOLDER, GEAR | |
| 317 | *3-391-081-01 | HOLDER BUTTON R | |
| 319 | 4-894-964-01 | F GEAR | |
| 320 | 4-894-954-01 | C SPRING | |
| 321 | 3-390-803-01 | BUSHING (D) | |
| 322 | 4-894-953-01 | S REEL | |
| 323 | 7-621-770-67 | SCREW, TOTSU PTTWH 2.6X6 | |
| 324 | X-3391-004-1 | T REEL ASSY | |
| 325 | 3-390-838-01 | T SPRING | |
| 326 | 4-894-969-01 | N WASHER | |
| 327 | 4-894-967-01 | SPRING | |
| 328 | 4-894-960-01 | BUSH | |
| 329 | 4-894-961-01 | IDLER GEAR | |
| 330 | 4-894-962-01 | IDLER ARM | |
| 331 | X-3391-001-1 | PINCH ARM ASSY | |
| 332 | 4-894-980-01 | EJECT ARM | |
| 333 | 4-894-968-01 | CHASSIS ASSY | |
| 334 | 4-894-966-01 | SPRING | |
| 335 | *4-894-986-01 | PAUSE LEVER | |
| 336 | *4-894-987-01 | S.E LEVER | |
| 337 | *4-894-988-01 | FF LEVER W | |
| 338 | *4-894-990-01 | REW LEVER | |
| 339 | *3-391-053-01 | PLAY LEVER | |
| 340 | 3-390-827-01 | SPRING | |
| 341 | X-3391-003-1 | POWER ARM ASSY | |

| No. | Part No. | Description | Remarks |
|---|---|---|---|
| 342 | 3-393-880-01 | BELT | |
| 343 | *4-894-977-01 | BACK PLATE | |
| 344 | 4-894-979-01 | SPRING | |
| 345 | 3-390-822-01 | BUSHING (C) | |
| 347 | X-3391-002-1 | FLYWHEEL ASSY | |
| 348 | 4-894-976-01 | P WASHER | |
| 349 | 3-390-809-01 | SPRING | |
| 350 | 4-894-982-01 | S ARM | |
| 351 | *4-894-984-01 | FUNCTION LEVER | |
| 352 | 4-894-989-01 | SPRING | |
| 353 | 4-894-999-01 | SPRING | |
| 354 | 4-894-983-01 | C SPRING | |
| 355 | 3-392-147-01 | LEVER (R), BUTTON | |
| 356 | 4-894-985-01 | PAUSE ARM | |
| 357 | 3-393-883-01 | SPRING | |
| 358 | 7-621-255-25 | SCREW +PTT 2X4 (S) | |
| 359 | 3-396-831-01 | SPRING | |
| 360 | *4-894-994-01 | REC LEVER | |
| 361 | *3-390-811-01 | LEVER, REC STOP | |
| 362 | 4-894-958-01 | INTERLOCK ARM | |
| 363 | 3-391-055-01 | E HEAD ARM | |
| 364 | *4-895-008-01 | MOTOR BRACKET | |
| 365 | 3-343-897-01 | WASHER, RUBBER | |
| 366 | 3-343-896-01 | SCREW, MOTOR | |
| 367 | 7-621-770-87 | SCREW +PTT 2.6X5 (S) | |
| 368 | 4-895-002-01 | P CONNECT LEVER ASSY | |
| 369 | 4-895-005-01 | UNLOCK PLATE | |
| 370 | 4-895-004-01 | LOCK PLATE | |
| 371 | 7-624-190-11 | STOP RING 3, TYPE-CS | |
| 372 | 4-895-003-01 | SPRING | |
| 373 | 3-682-147-31 | SCREW (BVTT WH 2.6X4) | |
| 374 | 7-624-106-04 | STOP RING 3.0, TYPE -E | |
| 375 | 4-895-006-01 | CONNECT LEVER | |
| 376 | 3-390-817-01 | LUG | |
| HE101 | 1-543-533-11 | HEAD, ERESE | |
| HRP101 | 1-543-727-11 | HEAD (RECORD/PLAYBACK) | |
| M101 | 3-393-882-01 | MOTOR ASSY | |
| SL201 | 1-571-555-11 | SWITCH, LEAF | |
| SL202 | 1-570-715-11 | SWITCH, LEAF | |

# SECTION 4
# ELECTRICAL PARTS LIST

**NOTE:**

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF: μF, PF: μμF.

RESISTORS
- All resistors are in ohms.
- F: nonflammable

COILS
- MMH: mH, UH: μH

SEMICONDUCTORS
In each case, U: μ, for example:
UA...: μA..., UPA...: μPA...,
UPC...: μPC, UPD...: μPD...

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

| Ref.No. | Part No. | Description | | | |
|---|---|---|---|---|---|
| 901 | *1-635-977-11 | PC BOARD, LED | | | |
| 902 | *1-635-978-11 | PC BOARD, JACK | | | |
| 903 | *1-635-976-11 | PC BOARD, GEQ | | | |
| 904 | *A-3261-403-A | (W410S).....PC BOARD ASSY, MAIN | | | |
| | *A-3261-409-A | (W410L:EXCEPT EE)...PC BOARD ASSY, MAIN | | | |
| | *A-3261-410-A | (W410L:EE).....PC BOARD ASSY, MAIN | | | |
| 905 | *1-635-744-11 | (W410L)...PC BOARD, POWER | | | |
| | *1-635-974-11 | (W410S)...PC BOARD, POWER | | | |
| 906 | *1-635-798-11 | PC BOARD, BATTERY | | | |
| 907 | 1-575-951-11 | CORD, SPEAKER | | | |
| 908 | 1-533-243-11 | HOLDER, FUSE | | | |
| ANT1 | 1-501-482-11 | ANTENNA, TELESCOPIC | | | |
| BPF1 | 1-236-895-11 | FILTER, BAND PASS | | | |
| C1 | 1-162-207-31 | CERAMIC | 22PF | 5% | 50V |
| C2 | 1-162-207-31 | CERAMIC | 22PF | 5% | 50V |
| C3 | 1-161-379-00 | CERAMIC | 0.01MF | 30% | 16V |
| C4 | 1-161-379-00 | CERAMIC | 0.01MF | 30% | 16V |
| C5 | 1-162-207-31 | CERAMIC | 22PF | 5% | 50V |
| C6 | 1-162-194-31 | CERAMIC | 3.9PF | 10% | 50V |
| C8 | 1-161-379-00 | CERAMIC | 0.01MF | 30% | 16V |
| C9 | 1-162-206-31 | CERAMIC | 20PF | 5% | 50V |
| C10 | 1-102-959-00 | CERAMIC | 22PF | 5% | 50V |
| C11 | 1-162-193-31 | CERAMIC | 3.3PF | 10% | 50V |
| C12 | 1-124-902-00 | ELECT | 0.47MF | 20% | 50V |
| C13 | 1-162-290-31 | CERAMIC | 470PF | 10% | 50V |
| C15 | 1-161-494-00 | CERAMIC | 0.022MF | | 25V |
| C16 | 1-124-126-00 | ELECT | 47MF | 20% | 10V |
| C18 | 1-161-494-00 | CERAMIC | 0.022MF | | 25V |
| C19 | 1-161-494-00 | CERAMIC | 0.022MF | | 25V |
| C20 | 1-123-875-11 | ELECT | 10MF | 20% | 50V |
| C21 | 1-124-791-11 | ELECT | 1MF | 20% | 50V |
| C22 | 1-126-301-11 | ELECT | 1MF | 20% | 50V |
| C23 | 1-124-463-00 | ELECT | 0.1MF | 20% | 50V |
| C25 | 1-124-443-00 | ELECT | 100MF | 20% | 10V |
| C26 | 1-161-377-00 | CERAMIC | 0.0047MF | 30% | 16V |
| C27 | 1-130-486-00 | MYLAR | 0.018MF | 5% | 50V |
| C28 | 1-124-927-11 | ELECT | 4.7MF | 20% | 50V |
| C29 | 1-130-486-00 | MYLAR | 0.018MF | 5% | 50V |
| C30 | 1-124-927-11 | ELECT | 4.7MF | 20% | 50V |
| C31 | 1-104-228-00 | POLYSTYRENE | 0.0015MF | 5% | 50V |
| C32 | 1-161-379-00 | CERAMIC | 0.01MF | 30% | 16V |
| C33 | 1-123-382-00 | ELECT | 3.3MF | 20% | 50V |
| C34 | 1-104-228-00 | POLYSTYRENE | 0.0015MF | 5% | 50V |
| C35 | 1-162-201-31 | CERAMIC | 12PF | 5% | 50V |

| Ref.No. | Part No. | Description | | | |
|---|---|---|---|---|---|
| C37 | 1-162-211-31 | CERAMIC | 33PF | 5% | 50V |
| C38 | 1-162-198-31 | CERAMIC | 8.2PF | 10% | 50V |
| C39 | 1-104-095-00 | POLYSTYRENE | 0.0056MF | 5% | 50V |
| C42 | 1-162-198-31 | CERAMIC | 8.2PF | 10% | 50V |
| C43 | 1-104-066-00 | POLYSTYRENE | 360PF | 5% | 50V |
| C44 | 1-162-206-31 | CERAMIC | 20PF | 5% | 50V |
| C45 | 1-162-201-31 | CERAMIC | 12PF | 5% | 50V |
| C46 | 1-162-208-31 | CERAMIC | 24PF | 5% | 50V |
| C47 | 1-162-208-31 | CERAMIC | 24PF | 5% | 50V |
| C48 | 1-161-494-00 | CERAMIC | 0.022MF | | 25V |
| C49 | 1-126-233-11 | ELECT | 22MF | 20% | 25V |
| C51 | 1-162-294-31 | CERAMIC | 0.001MF | 10% | 50V |
| C53 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C101 | 1-162-292-31 | CERAMIC | 680PF | 10% | 50V |
| C102 | 1-162-292-31 | CERAMIC | 680PF | 10% | 50V |
| C104 | 1-162-292-31 | CERAMIC | 680PF | 10% | 50V |
| C105 | 1-124-126-00 | ELECT | 47MF | 20% | 10V |
| C106 | 1-130-484-00 | MYLAR | 0.012MF | 5% | 50V |
| C107 | 1-124-927-11 | ELECT | 4.7MF | 20% | 50V |
| C108 | 1-130-487-00 | MYLAR | 0.022MF | 5% | 50V |
| C109 | 1-124-927-11 | ELECT | 4.7MF | 20% | 50V |
| C110 | 1-162-286-31 | CERAMIC | 220PF | 10% | 50V |
| C111 | 1-124-927-11 | ELECT | 4.7MF | 20% | 50V |
| C112 | 1-124-252-00 | ELECT | 0.33MF | 20% | 50V |
| C113 | 1-124-126-00 | ELECT | 47MF | 20% | 10V |
| C114 | 1-130-483-00 | MYLAR | 0.01MF | 5% | 50V |
| C115 | 1-161-494-00 | CERAMIC | 0.022MF | | 25V |
| C116 | 1-162-294-31 | CERAMIC | 0.001MF | 10% | 50V |
| C120 | 1-124-791-11 | ELECT | 1MF | 20% | 50V |
| C121 | 1-130-489-00 | MYLAR | 0.033MF | 5% | 50V |
| C123 | 1-161-050-00 | CERAMIC | 0.0082MF | 10% | 25V |
| C124 | 1-124-463-00 | ELECT | 0.1MF | 20% | 50V |
| C125 | 1-161-327-00 | CERAMIC | 0.0033MF | 30% | 16V |
| C126 | 1-130-489-00 | MYLAR | 0.033MF | 5% | 50V |
| C127 | 1-162-294-31 | CERAMIC | 0.001MF | 10% | 50V |
| C128 | 1-124-791-11 | ELECT | 1MF | 20% | 50V |
| C129 | 1-124-791-11 | ELECT | 1MF | 20% | 50V |
| C130 | 1-124-791-11 | ELECT | 1MF | 20% | 50V |
| C131 | 1-161-494-00 | CERAMIC | 0.022MF | | 25V |
| C140 | 1-124-902-00 | ELECT | 0.47MF | 20% | 50V |
| C141 | 1-162-294-31 | CERAMIC | 0.001MF | 10% | 50V |
| C142 | 1-162-286-31 | CERAMIC | 220PF | 10% | 50V |
| C143 | 1-124-126-00 | ELECT | 47MF | 20% | 10V |
| C144 | 1-124-443-00 | ELECT | 100MF | 20% | 10V |
| C145 | 1-130-497-00 | MYLAR | 0.15MF | 5% | 50V |

| Ref.No. | Part No. | Description | | | |
|---|---|---|---|---|---|
| C146 | 1-124-473-11 | ELECT | 1000MF | 20% | 10V |
| C201 | 1-162-292-31 | CERAMIC | 680PF | 10% | 50V |
| C202 | 1-162-292-31 | CERAMIC | 680PF | 10% | 50V |
| C204 | 1-162-292-31 | CERAMIC | 680PF | 10% | 50V |
| C205 | 1-124-126-00 | ELECT | 47MF | 20% | 10V |
| C206 | 1-130-484-00 | MYLAR | 0.012MF | 5% | 50V |
| C207 | 1-124-927-11 | ELECT | 4.7MF | 20% | 50V |
| C208 | 1-130-487-00 | MYLAR | 0.022MF | 5% | 50V |
| C209 | 1-124-927-11 | ELECT | 4.7MF | 20% | 50V |
| C210 | 1-162-286-31 | CERAMIC | 220PF | 10% | 50V |
| C211 | 1-124-927-11 | ELECT | 4.7MF | 20% | 50V |
| C212 | 1-124-252-00 | ELECT | 0.33MF | 20% | 50V |
| C213 | 1-124-126-00 | ELECT | 47MF | 20% | 10V |
| C214 | 1-130-483-00 | MYLAR | 0.01MF | 5% | 50V |
| C215 | 1-161-494-00 | CERAMIC | 0.022MF | | 25V |
| C216 | 1-162-294-31 | CERAMIC | 0.001MF | 10% | 50V |
| C220 | 1-124-791-11 | ELECT | 1MF | 20% | 50V |
| C221 | 1-130-489-00 | MYLAR | 0.033MF | 5% | 50V |
| C223 | 1-161-050-00 | CERAMIC | 0.0082MF | 10% | 25V |
| C224 | 1-124-463-00 | ELECT | 0.1MF | 20% | 50V |
| C225 | 1-161-327-00 | CERAMIC | 0.0033MF | 30% | 16V |
| C226 | 1-130-489-00 | MYLAR | 0.033MF | 5% | 50V |
| C227 | 1-162-294-31 | CERAMIC | 0.001MF | 10% | 50V |
| C228 | 1-124-791-11 | ELECT | 1MF | 20% | 50V |
| C229 | 1-124-791-11 | ELECT | 1MF | 20% | 50V |
| C230 | 1-124-791-11 | ELECT | 1MF | 20% | 50V |
| C231 | 1-161-494-00 | CERAMIC | 0.022MF | | 25V |
| C240 | 1-124-902-00 | ELECT | 0.47MF | 20% | 50V |
| C241 | 1-162-294-31 | CERAMIC | 0.001MF | 10% | 50V |
| C242 | 1-162-286-31 | CERAMIC | 220PF | 10% | 50V |
| C243 | 1-124-126-00 | ELECT | 47MF | 20% | 10V |
| C244 | 1-124-443-00 | ELECT | 100MF | 20% | 10V |
| C245 | 1-130-497-00 | MYLAR | 0.15MF | 5% | 50V |
| C246 | 1-124-473-11 | ELECT | 1000MF | 20% | 10V |
| C301 | 1-124-463-00 | ELECT | 0.1MF | 20% | 50V |
| C302 | 1-126-233-11 | ELECT | 22MF | 20% | 25V |
| C303 | 1-124-902-00 | ELECT | 0.47MF | 20% | 50V |
| C304 | 1-123-875-11 | ELECT | 10MF | 20% | 50V |
| C305 | 1-124-126-00 | ELECT | 47MF | 20% | 10V |
| C306 | 1-126-176-11 | ELECT | 220MF | 20% | 10V |
| C307 | 1-124-443-00 | ELECT | 100MF | 20% | 10V |
| C308 | 1-162-286-31 | CERAMIC | 220PF | 10% | 50V |
| C309 | 1-162-290-31 | CERAMIC | 470PF | 10% | 50V |
| C310 | 1-104-302-11 | POLYSTYRENE | 0.001MF | 5% | 50V |
| C311 | 1-124-443-00 | ELECT | 100MF | 20% | 10V |
| C312 | 1-130-485-00 | MYLAR | 0.015MF | 5% | 50V |
| C313 | 1-161-377-00 | CERAMIC | 0.0047MF | 30% | 16V |
| C314 | 1-130-487-00 | MYLAR | 0.022MF | 5% | 50V |
| C315 | 1-124-925-11 | ELECT | 2.2MF | 20% | 50V |
| C316 | 1-126-233-11 | ELECT | 22MF | 20% | 25V |
| C317 | 1-124-927-11 | ELECT | 4.7MF | 20% | 50V |
| C318 | 1-126-176-11 | ELECT | 220MF | 20% | 10V |
| C320 | 1-126-176-11 | ELECT | 220MF | 20% | 10V |
| C321 | 1-124-119-00 | ELECT | 330MF | 20% | 16V |
| C322 | 1-161-494-00 | CERAMIC | 0.022MF | | 25V |
| C329 | 1-123-382-00 | ELECT | 3.3MF | 20% | 50V |
| C340 | 1-124-120-11 | ELECT | 220MF | 20% | 16V |

| Ref.No. | Part No. | Description | | | |
|---|---|---|---|---|---|
| C342 | 1-126-101-11 | ELECT | 100MF | 20% | 16V |
| C401 | 1-124-887-00 | ELECT | 3300MF | 20% | 16V |
| C402 | 1-161-494-00 | CERAMIC | 0.022MF | | 25V |
| C403 | 1-161-494-00 | CERAMIC | 0.022MF | | 25V |
| C404 | 1-161-494-00 | CERAMIC | 0.022MF | | 25V |
| C405 | 1-161-494-00 | CERAMIC | 0.022MF | | 25V |
| C406 | 1-130-495-00 | MYLAR | 0.1MF | 5% | 50V |
| CF1 | 1-579-079-11 | FILTER, CERAMIC | | | |
| CF2 | 1-527-870-00 | FILTER, CERAMIC | | | |
| CN1 | *1-580-046-11 | CONNECTOR 2P | | | |
| CN2 | *1-580-044-11 | WAFER, CONNECTOR 9P | | | |
| CN3 | *1-580-046-11 | CONNECTOR 2P | | | |
| CN4 | *1-580-049-11 | CONNECTOR 10P | | | |
| CN5 | *1-580-047-11 | CONNECTOR 3P | | | |
| CN6 | *1-580-048-11 | CONNECTOR 4P | | | |
| CNP7 | *1-580-046-11 | CONNECTOR 2P | | | |
| D1 | 8-719-107-94 | DIODE 1SS202-1 | | | |
| D2 | 8-719-987-01 | DIODE KDS2236 | | | |
| D3 | 8-719-107-94 | DIODE 1SS202-1 | | | |
| D301 | 8-719-107-94 | DIODE 1SS202-1 | | | |
| D302 | 8-719-107-94 | DIODE 1SS202-1 | | | |
| D303 | 8-719-160-34 | DIODE RD6.8F-B2 | | | |
| D304 | 8-719-989-16 | DIODE 1S2472 | | | |
| D305 | 8-719-918-76 | DIODE GL-3PR9 (LED) | | | |
| D401 | 8-719-200-02 | DIODE 10E2 | | | |
| D402 | 8-719-200-02 | DIODE 10E2 | | | |
| D403 | 8-719-200-02 | DIODE 10E2 | | | |
| D404 | 8-719-200-02 | DIODE 10E2 | | | |
| ECM1 | 1-542-157-11 | MICROPHONE, ELECTRET CONDENSER | | | |
| F101 | ⚠1-532-285-00 | (W410L)...FUSE, TIME-LAG (1.25A 250V) | | | |
| F101 | ⚠1-532-611-00 | (W410S)...FUSE, TIME-LAG (125mA 250V) | | | |
| F102 | ⚠1-532-259-00 | (W410S)...FUSE, TIME-LAG (1.6A 250V) | | | |
| FT1 | 1-141-328-11 | CAP, TRIMMER | | | |
| IC1 | 8-759-204-01 | IC TA7358P | | | |
| IC2 | 8-759-822-90 | IC LA1805 | | | |
| IC301 | 8-759-822-91 | IC LA3246 | | | |
| IC302 | 8-759-939-73 | IC BA3308 | | | |
| IC303 | 8-759-933-38 | IC BA3822LS | | | |
| IC304 | 8-759-205-82 | IC TA7282AP | | | |
| J101 | 1-580-045-11 | JACK | | | |
| J201 | 1-580-045-11 | JACK | | | |
| J301 | 1-562-837-11 | JACK | | | |
| J401 | ⚠1-526-838-11 | (EXCEPT E TYPE1,2,UAE)...INLET, AC 2P | | | |
| J401 | ⚠1-540-180-11 | (E TYPE1,2,UAE)...INLET, AC 2P | | | |
| J501 | 1-580-052-11 | JACK BOARD, PIN 2P | | | |
| L1 | *1-426-321-11 | COIL, RF FM | | | |
| L2 | 1-406-393-11 | COIL, FM OSC | | | |
| L3 | 1-402-530-11 | ANTENNA, FERRITE-ROD (MW) | | | |
| L4 | 1-406-059-00 | COIL, OSC | | | |
| L5 | 1-402-251-11 | COIL, ANT (SW1) | | | |
| L6 | 1-406-220-11 | COIL, OSC (SW1) | | | |
| L7 | 1-406-221-11 | COIL, SW2 OSC | | | |
| L8 | 1-402-249-11 | COIL, SW2 ANT | | | |
| L101 | 1-412-457-11 | INDUCTOR | 2.7MMH | | |
| L201 | 1-412-457-11 | INDUCTOR | 2.7MMH | | |

**Note:** The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

| Ref.No. | Part No. | Description | | | | |
|---|---|---|---|---|---|---|
| Q1 | 8-729-900-61 | TRANSISTOR DTA114ES | | | | |
| Q101 | 8-729-900-80 | TRANSISTOR DTC114ES | | | | |
| Q102 | 8-729-201-05 | TRANSISTOR 2SC2878-B | | | | |
| Q201 | 8-729-900-80 | TRANSISTOR DTC114ES | | | | |
| Q202 | 8-729-201-05 | TRANSISTOR 2SC2878-B | | | | |
| Q301 | 8-729-900-80 | TRANSISTOR DTC114ES | | | | |
| Q302 | 8-729-900-80 | TRANSISTOR DTC114ES | | | | |
| Q303 | 8-729-100-13 | TRANSISTOR 2SC2001-K2 | | | | |
| Q304 | 8-729-100-13 | TRANSISTOR 2SC2001-K2 | | | | |
| Q305 | 8-729-312-12 | TRANSISTOR 2SC1213A | | | | |
| Q306 | 8-729-173-38 | TRANSISTOR 2SA733-A | | | | |
| Q307 | 8-729-904-39 | TRANSISTOR DTC114TS | | | | |
| Q308 | 8-729-904-39 | TRANSISTOR DTC114TS | | | | |
| Q310 | 8-729-900-61 | TRANSISTOR DTA114ES | | | | |
| Q311 | 8-729-900-61 | TRANSISTOR DTA114ES | | | | |
| R1 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | |
| R2 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| R3 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| R4 | 1-249-401-11 | CARBON | 47 | 5% | 1/4W | |
| R5 | 1-249-426-11 | CARBON | 5.6K | 5% | 1/4W | |
| R6 | 1-249-422-11 | CARBON | 2.7K | 5% | 1/4W | |
| R7 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R8 | 1-247-719-11 | CARBON | 3.3K | 5% | 1/4W | |
| R9 | 1-247-719-11 | CARBON | 3.3K | 5% | 1/4W | |
| R10 | 1-249-440-11 | CARBON | 82K | 5% | 1/4W | |
| R11 | 1-249-404-00 | CARBON | 82 | 5% | 1/4W | |
| R12 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R13 | 1-249-423-11 | CARBON | 3.3K | 5% | 1/4W | |
| R14 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R15 | 1-249-423-11 | CARBON | 3.3K | 5% | 1/4W | |
| R16 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | |
| R17 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | |
| R19 | 1-249-423-11 | CARBON | 3.3K | 5% | 1/4W | |
| R39 | 1-249-400-11 | CARBON | 39 | 5% | 1/4W | |
| R101 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | |
| R102 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R103 | 1-249-422-11 | CARBON | 2.7K | 5% | 1/4W | |
| R104 | 1-247-887-00 | CARBON | 220K | 5% | 1/4W | |
| R105 | 1-249-436-11 | CARBON | 39K | 5% | 1/4W | |
| R106 | 1-247-717-11 | CARBON | 2.2K | 5% | 1/4W | |
| R107 | 1-249-422-11 | CARBON | 2.7K | 5% | 1/4W | |
| R109 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R110 | 1-249-420-11 | CARBON | 1.8K | 5% | 1/4W | |
| R112 | 1-249-432-11 | CARBON | 18K | 5% | 1/4W | |
| R113 | 1-249-430-11 | CARBON | 12K | 5% | 1/4W | |
| R114 | 1-249-438-11 | CARBON | 56K | 5% | 1/4W | |
| R115 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R116 | 1-249-408-11 | CARBON | 180 | 5% | 1/4W | |
| R117 | 1-249-430-11 | CARBON | 12K | 5% | 1/4W | |
| R120 | 1-249-414-11 | CARBON | 560 | 5% | 1/4W | |
| R121 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R122 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R123 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R141 | 1-249-401-11 | CARBON | 47 | 5% | 1/4W | |
| R142 ⚠ | 1-249-451-11 | CARBON | 2.2 | 5% | 1/4W | F |
| R143 | 1-247-700-11 | CARBON | 100 | 5% | 1/4W | |
| R144 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |

| Ref.No. | Part No. | Description | | | | |
|---|---|---|---|---|---|---|
| R201 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | |
| R202 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R203 | 1-249-422-11 | CARBON | 2.7K | 5% | 1/4W | |
| R204 | 1-247-887-00 | CARBON | 220K | 5% | 1/4W | |
| R205 | 1-249-436-11 | CARBON | 39K | 5% | 1/4W | |
| R206 | 1-247-717-11 | CARBON | 2.2K | 5% | 1/4W | |
| R207 | 1-249-422-11 | CARBON | 2.7K | 5% | 1/4W | |
| R209 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R210 | 1-249-420-11 | CARBON | 1.8K | 5% | 1/4W | |
| R212 | 1-249-432-11 | CARBON | 18K | 5% | 1/4W | |
| R213 | 1-249-430-11 | CARBON | 12K | 5% | 1/4W | |
| R214 | 1-249-438-11 | CARBON | 56K | 5% | 1/4W | |
| R215 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R216 | 1-249-408-11 | CARBON | 180 | 5% | 1/4W | |
| R217 | 1-249-430-11 | CARBON | 12K | 5% | 1/4W | |
| R220 | 1-249-414-11 | CARBON | 560 | 5% | 1/4W | |
| R221 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R222 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R223 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R241 | 1-249-401-11 | CARBON | 47 | 5% | 1/4W | |
| R242 ⚠ | 1-249-451-11 | CARBON | 2.2 | 5% | 1/4W | F |
| R243 | 1-247-700-11 | CARBON | 100 | 5% | 1/4W | |
| R244 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R300 | 1-249-423-11 | CARBON | 3.3K | 5% | 1/4W | |
| R301 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | |
| R302 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | |
| R303 | 1-249-423-11 | CARBON | 3.3K | 5% | 1/4W | |
| R304 | 1-249-410-11 | CARBON | 270 | 5% | 1/4W | |
| R305 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| R306 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R307 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R308 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R309-1 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | |
| R309-2 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R310 | 1-259-377-11 | CARBON | 2.2M | 5% | 1/6W | |
| R311 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R312 | 1-249-410-11 | CARBON | 270 | 5% | 1/4W | |
| R313 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R314 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W | |
| R315 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | |
| R316 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R317 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R318 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R319 | 1-249-418-11 | CARBON | 1.2K | 5% | 1/4W | |
| R320 | 1-249-469-11 | CARBON | 100K | 5% | 1/4W | |
| R322 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | |
| R323 | 1-249-423-11 | CARBON | 3.3K | 5% | 1/4W | |
| R324 | 1-247-698-11 | CARBON | 68 | 5% | 1/4W | |
| R326 | 1-249-399-11 | CARBON | 33 | 5% | 1/4W | |
| R327 ⚠ | 1-212-849-00 | FUSIBLE | 4.7 | 5% | 1/4W | F |
| R328 | 1-249-414-11 | CARBON | 560 | 5% | 1/4W | |
| R329 | 1-249-414-11 | CARBON | 560 | 5% | 1/4W | |
| R330 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R342 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W | |
| R343 | 1-249-432-11 | CARBON | 18K | 5% | 1/4W | |
| R344 | 1-249-426-11 | CARBON | 5.6K | 5% | 1/4W | |
| RF4R7J ⚠ | 1-212-849-00 | FUSIBLE | 4.7 | 5% | 1/4W | F |

**Note:** The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

| Ref.No. | Part No. | Description |
|---|---|---|
| S401 | ⚠1-572-614-11 | (W410S)...SWITCH, VOLTAGE SELECTION |
| SP101 | 1-503-492-11 | SPEAKER |
| SP201 | 1-503-492-11 | SPEAKER |
| SW1 | 1-572-615-11 | SWITCH, SLIDE |
| SW2 | 1-572-419-11 | SWITCH, SLIDE |
| SW3 | 1-572-420-11 | SWITCH, SLIDE |
| SW4 | 1-572-421-11 | SWITCH, SLIDE |
| SW5 | 1-572-423-11 | SWITCH, PUSH (4 KEY) |
| T1 | 1-404-741-11 | TRANSFORMER |
| T2 | 1-404-925-11 | IFT, AM |
| T3 | 1-424-400-11 | COIL, FM DET |
| T7 | 1-406-238-11 | COIL, OSCILLATION |
| T401 | ⚠1-448-778-11 | (E).....TRANSFORMER, POWER |
| T401 | ⚠1-448-779-11 | (AU,UK)...TRANSFORMER, POWER |
| T401 | ⚠1-448-780-11 | (AEP).....TRANSFORMER, POWER |
| TC1 | *1-141-227-00 | CAP, CERAMIC TRIMMER |
| TC2 | *1-141-227-00 | CAP, CERAMIC TRIMMER |
| TC3 | 1-141-232-00 | CAP, TRIMMER |
| TC4 | 1-141-232-00 | CAP, TRIMMER |
| VC1 | 1-151-680-11 | CAP, VAR, PVC |
| VR1 | 1-228-994-00 | RES, ADJ, CARBON 10K |
| VR101 | 1-241-173-11 | RES, VAR, SLIDE 100K/100K |
| VR102 | 1-241-173-11 | RES, VAR, SLIDE 100K/100K |
| VR103 | 1-241-173-11 | RES, VAR, SLIDE 100K/100K |
| VR104 | 1-241-173-11 | RES, VAR, SLIDE 100K/100K |
| VR105 | 1-241-173-11 | RES, VAR, SLIDE 100K/100K |
| VR106 | 1-241-172-11 | RES, VAR, SLIDE 20K/20K |
| VR107 | 1-241-171-11 | RES, VAR, SLIDE 100K |
| VR301 | 1-228-989-00 | RES, ADJ, CARBON 470 |
| VR302 | 1-228-991-00 | RES, ADJ, CARBON 2.2K |

ACCESSORY & PACKING MATERIAL

| | | |
|---|---|---|
| | ⚠1-506-401-31 | (EA).....ADAPTOR, CONVERSION |
| | ⚠1-526-565-00 | (E TYPE2)...AC PLUG ADAPTOR |
| | ⚠1-551-235-00 | (E TYPE2)...CORD, POWER (DK-51) 2P |
| | ⚠1-555-074-00 | (AU).....CORD, POWER |
| | ⚠1-555-234-00 | (E TYPE1,UAE)...CORD, POWER (DK-52) 2P |
| | ⚠1-575-131-11 | (AEP,EA)....CORD, POWER |
| | ⚠1-558-032-11 | (UK).....CORD, POWER |
| | *3-324-066-01 | SHEET, PROTECTION |
| | *3-357-576-01 | (W410S)...LABEL, CAUTION, VOLTAGE SELECTOR |
| | *3-357-568-01 | (EXCEPT W410S,EE)...INDIVIDUAL CARTON |
| | *3-357-569-01 | (E TYPE1,2)...INDIVIDUAL CARTON |
| | *3-362-495-01 | (EA,UAE).....INDIVIDUAL CARTON |
| | *3-362-601-01 | (EE).....INDIVIDUAL CARTON |
| | 3-751-942-12 | (EXCEPT EE,IT)...MANUAL, INSTRUCTION (ENGLISH,FRENCH,SPANISH,GERMAN) |
| | 3-751-942-41 | (AE2,IT)...MANUAL, INSTRUCTION (PORTUGUESE,DUTCH,SWEDISH,ITALIAN) |
| | 3-751-942-61 | (EE).....MANUAL, INSTRUCTION (POLAND,ENGLISH,GERMAN,RUSSIAN) |
| | *3-397-807-01 | CUSHION |

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Replace only with part number specified.